

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	

Root Cause			FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence
Past Expiry Date	☐	Manufacturing Process	☐	OTHER : _____						
Misidentified	☐	Past Due	☐							

Work Order ID 153022

Monday, November 07, 2016 4:08:22 PM

153022

Page 2

Item ID: D4071-041 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Shoulder Harness Assembly
Start Date: 10/18/2016 Start Qty: 4.00 ***4*** Cust Item ID:
Required Date: 11/7/2016 Req'd Qty: 4.00 ***4*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: <u>SH464</u>	0.00							
130									
Packaging	Memo	0.01				4	DAS 6 9-89	DEC 13 2016	
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.07					DAS 21 9-89	DEC 14 2016	
Quality Control									

mf
16-12-13

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐				
OTHER :					

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153022

D4071-041

Required Date: 11/7/2016

Required Qty: 4.00

Comments: IPP Rev:A new issue DD 10.04.23 verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
4147-2-041-2396		Purchased	No			110	Each	0.0000	1	4			
4147-2-041-2396									**	4 x 5016-12-5			
Shoulder Harness, 4 Point													

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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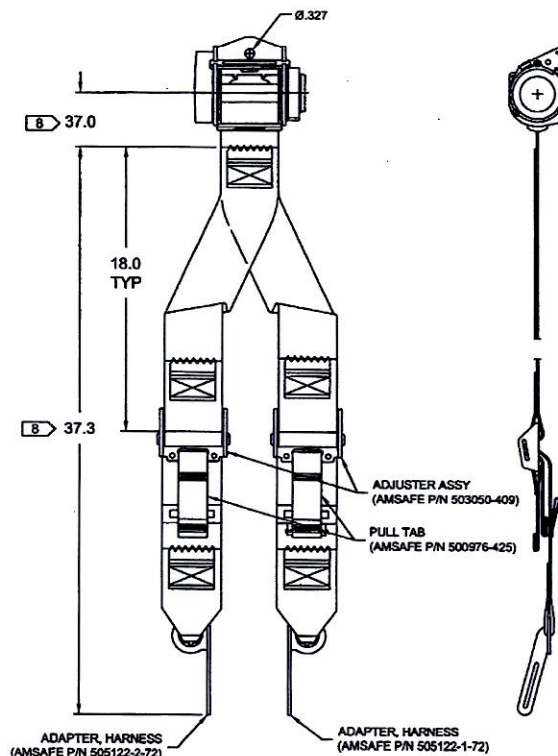
Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
Past Expiry Date ☐	Manufacturing Process ☐				
Misidentified ☐	Past Due ☐	OTHER :			

SPECIFICATION CONTROL DRAWING

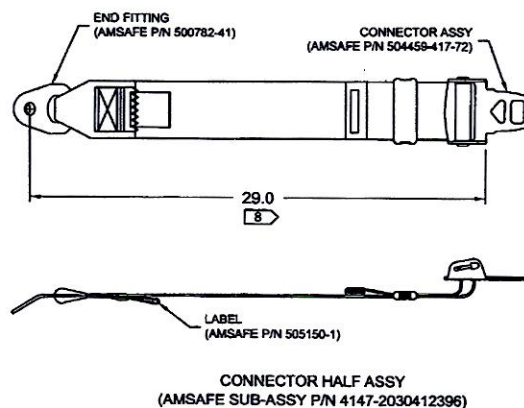
SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER

NO. 153022 MLS

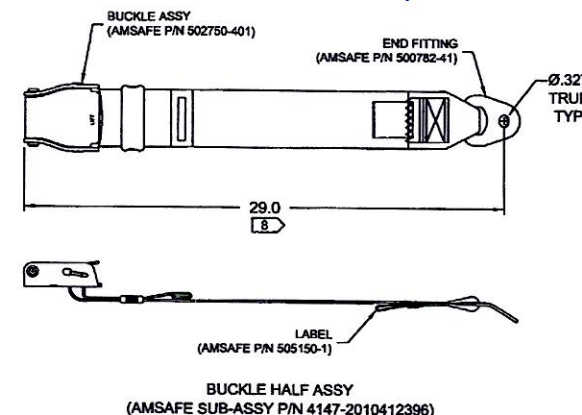
1071-09



D4071-041 SHOULDER HARNESS ASSY
SHOULDER HARNESS DETAIL
(AMSAFE SUB-ASSY P/N 4147-2070412396)



D4071-041 SHOULDER HARNESS ASSY
LAP BELTS DETAIL



NOTES:

- 1) PURCHASE: AMSAFE INC. PART No. 4147-2-041-2396
4 POINT SHOULDER HARNESS.
MEETS REQUIREMENTS OF FAA TSO-C114
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 EXCEPT DIMENSIONS: X.X ± 0.50
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED.
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: LABEL TO CONTAIN THE FOLLOWING AT MINIMUM:
P/N 4147-2-041-2396
CUST P/N: D4071-041
DATE OF MFG
CONFORMS TO FAA TSO-C114
- 7) WEIGHT: 2.2 lbs
- 8) INDICATED DIMS ARE FULLY EXTENDED LENGTH.

RELEASED
2010-04-19

A		NEW ISSUE		JPH	10.04.13
REV.	DESCRIPTION			BY	DATE
DESIGN	JPH	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWN	JPH				
CHECKED	JPH	DRAWING NO.	REV.		
MFG. APPR.	N/A	D4071	SHEET 1 OF		
APPROVED		TITLE	SCALE		
DE APPR.		SHOULDER HARNESS ASSY (D350-689) NT			
DATE	10.04.13	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO34275**

Purchase Order Date 11/10/2016
PO Print Date 11/10/2016

Page Number 1 of 2

Order From :

VU-AMS001

Ship To : DART AEROSPACE LTD

AMSAFE INC.
1043 NORTH 47TH AVENUE
PHOENIX, AZ 85043
US

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED
NOV 10 2016

Contact Name

Vendor Phone 602 850 2850

Ship To Contact

Ship To Phone

Ship Via: FedEx Economy collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	4147-2-041-2396 AS PER DWG D4071 REV. A B153022	Shoulder Harness, 4 Point	12/2/2016 Yes 12/2/2016		4.00 Each	\$359.69	\$1,438.76
Line Total:							\$1,438.76
2	4192-1-021-2396 AS PER DWG D4387 REV. D B153083	Harness Assembly	12/2/2016 Yes 12/2/2016		8.00 Each	\$293.38	\$2,347.04
Line Total:							\$2,347.04
3	4173-2-031-2396 AS PER DWG D4387 REV. D B153111	Harness Assembly	12/2/2016 Yes 12/2/2016		4.00 Each	\$294.30	\$1,177.20

Note:

DAS
38
9-89

11/10/2016

AmSafe

1043 North 47th Avenue
PHOENIX, AZ 85043
PH (602)850-2850 FAX (602)278-3479

INVOICE

Please remit to:
AmSafe, Inc.
Lockbox 911928
P.O. Box 31001-1928
Pasadena, CA 91110-1928

*** DUPLICATE ***

Customer No.
10006113

Invoice Date
12/01/16

Sales Order Number
S345223

Invoice Number
I433855

Purchase Order Number
PO34275

Page No.
1

BILL TO: DART AEROSPACE
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
Canada

SHIP TO: DART AEROSPACE LTD.
1270 ABERDEEN ST
HAWKESBURY,, ON K6A 1K7
Canada

SOLD TO: DART AEROSPACE
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
Canada

REMARKS:
1517-9324-0

Freight
COLLECT

COMMENTS:

A004 - FAA-PMA/TSO ** ALL DART ORDERS SHOULD BE RETROFIT***
A005 - RIGHT OF ENTRY A007 FAI BY SELLER & MAINTAINED BY SELLER
A016 - PERSONAL QUALIFICATION
A026 - CERTIFICATION OF MATERIAL CONFORMANCE
A040 - NOTIFICATION OF QUALITY ESCAPE
A041 - QUALITY MANAGEMENT SYSTEM
A042 - DART NOTIFICATION BY SUPPLIER
A043 - RETENTION OF QUALITY DOCUMENT
DART HOLDS STC CERTIFICATE AN IS ALLOWED TO PURCHASE NON PMA PARTS

TERMS	ORDER DATE	SALESPERSON	SHIP DATE	SHIP VIA	FedEx Intl Economy	FOB POINT
NET30	11/10/16	BLEAKE	12/01/16	TRACKING #	708228223976	ORIGIN
LINE NO.	ITEM	DESCRIPTION	UM	QUANTITY	UNIT PRICE	EXTENDED AMOUNT
			LOT	BACK ORD.	SHIPPED	
1	4147-2-041-2396	DRAWING: 4147 REV: L Customer P/N: D4071-041 REST SYS ASSY W/IR	EA	0.0	4.0 N	359.69 USD
			S345223-1			1,438.76 USD
						TSO-C114
2	4192-1-021-2396	DRAWING: 4147 REV: L REST SYS ASSY WO/IR	EA	0.0	8.0 N	293.38 USD
			S345223-2			2,347.04 USD
						TSO-C114
3	4173-2-031-2396	DRAWING: 4147 REV: L REST SYS ASSY WO/IR	EA	0.0	4.0 N	294.30 USD
			S345223-3			1,177.20 USD
						TSO-C114

Non-Taxable: 4,963.00 USD

Total Taxable:

The undersigned, exporter/supplier of goods listed in this invoice/document, declares that according to the rule being valid in the European Union, the origin of these goods is the United States of America.

Signature: *Maria Garcia*

Date: *DEC 01 2016*

Phoenix, Arizona, USA

Line Total: 4,963.00 USD

Sales Tax: Total: 4,963.00 USD

AmSafe

1043 NORTH 47th AVENUE
PHOENIX, AZ 85043
PH (602)850-2850 FAX (602)850-2812

SHIPPER/CERTIFICATION



CUSTOMER NO.
10006113

SALES ORDER NO.
S345223

BOL NO.
000433724

DATE PRINTED
12/01/16

PAGE NO.
1

DART AEROSPACE
1270 ABERDEEN STREET
HAWKESBURY
HAWKESBURY, ON K6A 1K7
Canada

DART AEROSPACE LTD.
1270 ABERDEEN ST
HAWKESBURY,, ON K6A 1K7
Canada

Ship to ID: 10006125

CUSTOMER ORDER NO.
PO34275

TERMS
NET30

FREIGHT
COLLECT

SHIP VIA
FedEx Intl Economy

F.O.B.
ORIGIN

SHIPMENT REFERENCE 000433724

Sales Order Remarks: 1517-9324-0

Remarks:

A004 - FAA-PMA/TSO ** ALL DART ORDERS SHOULD BE RETROFIT***
A005 - RIGHT OF ENTRY A007 FAI BY SELLER & MAINTAINED BY SELLER
A016 - PERSONAL QUALIFICATION
A026 - CERTIFICATION OF MATERIAL CONFORMANCE
A040 - NOTIFICATION OF QUALITY ESCAPE
A041 - QUALITY MANAGEMENT SYSTEM
A042 - DART NOTIFICATION BY SUPPLIER
A043 - RETENTION OF QUALITY DOCUMENT

DART HOLDS STC CERTIFICATE AND IS ALLOWED TO PURCHASE NON-PMA PARTS

LINE	ITEM NUMBER / DESCRIPTION	DRAWING AND CERTIFICATIONS	DUE DATE	QTY ORDERED	QTY SHIPPED	QTY BACK ORDERED
1	Cust. Item No.: D4071-041 4147-2-041-2396 REST SYS ASSY W/IR	DRAWING: 4147 REV: L CERT: TSO-C114 Lot/Serial Numbers Shipped Quantity S345223-1	2016-12-01 4.0	4 Expire Ref.	4	0
3	4173-2-031-2396 REST SYS ASSY WO/IR	DRAWING: 4173 REV: F CERT: TSO-C114 Lot/Serial Numbers Shipped Quantity S345223-3	2016-12-01 4.0	4 Expire Ref.	4	0
2	4192-1-021-2396 REST SYS ASSY WO/IR	DRAWING: 4192 REV: E CERT: TSO-C114 Lot/Serial Numbers Shipped Quantity S345223-2	2016-12-01 8.0	8 Expire Ref.	8	0



I certify that the article(s) listed above conform to all applicable design data, and (as applicable):

FAA PMA, FMVSS 209, FMVSS 302, 14 CFR 25.853

FAA TSO C22f, C22g, C114 or TSO Plus

The conditions and tests required for TSO approval of the article(s) are minimum performance standards. It is the responsibility of those installing the article(s) either on or within a specific type or class of aircraft to determine that the aircraft installation conditions are within the standards applicable to the TSO article including (when applicable) the integrated non-TSO function. The non-TSO function is described as the seat belt airbag system including the inflator cable assembly and electrical components that have not been evaluated for functionality or installation requirements. TSO articles including the integrated non-TSO function must have separate approval for installation in an aircraft. The article(s) may be installed only if performed under 14 CFR part 43 or the applicable airworthiness requirements. Product shipped meets all material, processing and test requirements. Certification test reports as applicable are retained on file at AmSafe Aviation.

AmSafe Authorized Signature: X

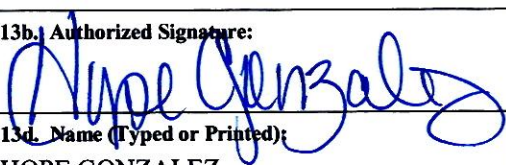
Printed Name:

Maria Garcia
Maria Garcia

DEC 01 2016

Dated: ____/____/____

COUNTRY OF ORIGIN USA

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: S345223-1-HG	
4. Organization Name and Address: AMSAFE, INC 1043 NORTH 47TH AVE PHOENIX, AZ. 85043 PT1967NM					5. Work Order/Contract/Invoice Number: S345223-1 0 PAGES ATTACHED	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	REST SYS ASSY W/IR	4147-2-041-2396	4	N/A	NEW	
12. Remarks: DRAWING: 4147 REV: L TSO: C114 DATE CODE: A1116 CUSTOMER P/N: D4071-041						
13a. Certifies the items identified above were manufactured in conformity to: ☒ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.			14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature: 		13c. Approval/Authorization No.: ODA602112NM		14b. Authorized Signature:		14c. Approval/Certificate No.:
13d. Name (Typed or Printed): HOPE GONZALEZ		13e. Date (dd/mm/yyyy): 01/DEC/2016		14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						